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**LICENCE FOR OPERATION OF MEDICAL ACCELERATOR UNIT**

In exercise of powers conferred under Section 16 and 17 as applicable of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues licence in favour of **T S RAVIKUMAR** to operate the following **MEDICAL ACCELERATOR** unit located at **Sri Venkateswara Inst. Of Medical Sciences, Chittoor** for **patient treatment** purposes.

| Make   | Model           | Sr. No | Equipment ID | Photon energy(ies) (MV) | Electron energy(ies) (MeV) |
|--------|-----------------|--------|--------------|-------------------------|----------------------------|
| Elekta | Precise Digital | 151499 | G-RA-000018  | 6,15                    | 6,8,10,12,15,18            |

The **DIRECTOR CUM VICE CHACELLOR, Sri Venkateswara Inst. Of Medical Sciences, Chittoor** and **T S RAVIKUMAR** are hereby identified as the Employer and licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of possession and operation of the above equipment by **Sri Venkateswara Inst. Of Medical Sciences, Chittoor**.

**This license shall be subject to the following conditions:**

1. The employer and the licensee shall ensure compliance of the provisions of
  - i)The Atomic Energy Act, 1962;
  - ii)The Atomic Energy (Radiation Protection) Rules, 2004;
  - iii)The Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987;
  - iv)All applicable Safety Codes, Guides on Safety and Security issued by AERB for the above practice and directives/other applicable regulatory documents issued by AERB from time to time.
2. It shall further be ensured that:
  - a)The functional performance of the equipment is satisfactory during its useful life from radiological safety view point.
  - b)Any incident involving radiation source(s) or loss / theft of source(s) is reported promptly within 24 hours of occurrence to AERB. In the event of the loss / theft of source(s), appropriate law enforcement authority shall be contacted immediately.
  - c)Disposal of all disused radiation sources are carried out in accordance with the procedures laid down by AERB.
  - d)The terms and conditions stated in Annexure-1 are complied with.



3. This Licence may be suspended, modified or withdrawn as deemed fit in the event of contravention of the provisions of the above Act / Rules / Codes or terms and conditions of issuance.

4. A copy of this Licence shall be available at the place where the radiation sources are being operated / stored.

**(Competent Authority)**

T S RAVIKUMAR

Sri Venkateswara Inst. Of Medical Sciences

SVIMS University, Department of Radiotherapy Chittoor, Andhra Pradesh-517507

Copy To: DIRECTOR CUM VICE CHANCELLOR, Sri Venkateswara Inst. Of Medical Sciences, Chittoor

## Annexure-1

### TERMS AND CONDITIONS OF LICENCE

1. **Operation of the Radiation Sources:** The Radiation Sources (Radioactive Sources and/or Radiation Generating Equipment) shall not be used for purposes other than that specified in the licence.
2. **Responsibilities of employer, licensee and RSO:** The regulatory responsibilities of the employer, licensee and the RSO are laid down in the Atomic Energy (Radiation Protection) Rules, 2004. If the licensee or the RSO leaves the institution or is transferred to another department of the same institution or ceases to be in a position to discharge their duties in respect of the radiation sources in the institution, the same should be brought to the notice of AERB through a written communication.
3. **Responsibility of safety and the security of the source:** The safety and security of the radiation source shall be the responsibility of the employer from procurement up to the time of disposal of the source.
4. **Regulatory recommendations:** All the regulatory requirements, as may be notified from time to time, by the Competent Authority in respect of radiation safety measures and physical security measures shall be implemented and followed in its letter and spirit.
5. **Modification of approved layout:** Modification of the approved layout of the installation/source storage facility shall not be carried out, without obtaining prior approval of AERB
6. **Regulatory Inspection:** Full co-operation shall be accorded to authorised representative(s) of the Competent Authority to inspect radiation facility at any time.
7. **Radiation surveillance and medical surveillance:** Radiation Surveillance (personnel Monitoring Service) and medical surveillance of person(s) engaged in radiation work should be provided as required by the Competent Authority.
8. **Periodic Status Report:** The periodic status report of all radiation devices/sources in the possession of the institution shall be submitted to AERB.
9. **Storage of source not in Use:** In case of mobile equipment, the equipment housing the radioactive source should be stored in an authorized and secured storage room when not in use.
10. **Sale or transfer:** The radiation source/device/equipment shall not be sold or otherwise transferred to another person without obtaining prior approval from AERB.
11. **Movement of radiation source from one site to another:** The radiation equipment/sources shall not be moved from one location to another, within the premises or outside, without obtaining prior approval from AERB.
12. **Transport of the radiation source:** It shall be ensured that equipment housing radioactive source is packed, labeled, marked and transported in accordance with the applicable regulations for the safe transport of radioactive material, with prior approval of AERB.
13. **Disused sources:** When a radioactive source is no longer in use for the authorized purpose, or upon completion of its useful life, the source should be returned to the original supplier, in accordance with the procedure for the same laid down by AERB. In respect of imported radioactive sources, prior permission for re-export of the same shall be obtained from AERB.
14. **Reporting of unusual occurrences:** If an incident involving the safety and / or security of the radiation source occurs, the same shall be intimated to AERB within 24 hours of the occurrence of the incident. In the event of loss or theft of the source, the matter shall also be reported to the local police authorities at least within 24 hours of occurrence of the incident.
15. **Renewal of Licence:** Renewal of license shall be obtained from the Competent Authority prior to its date of expiry.
16. **Amendment to Licence:** Any change in the information contained in this licence, after its issuance (as change of Licensee, Employer, name of institution, address etc.), shall be intimated to the AERB and appropriate necessary amendment to this effect to this licence is obtained from the Competent Authority, AERB.
17. **Offences and penalties:** This License can be suspended, modified or withdrawn by AERB, as specified in the Atomic Energy (Radiation Protection) Rules, 2004, if any of the terms and conditions of the license and other stipulated regulatory provisions is/are contravened. Where deemed appropriate, AERB may initiate penal action against the concerned institution in the event of offences, as provided in the Atomic Energy Act, 1962.